



THORNTON CLEVELEYS
URBAN DISTRICT COUNCIL

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
CHIEF PUBLIC HEALTH INSPECTOR
FOR THE YEAR
1968

Thornton Cleveleys
Urban District Council.

*With the
Compliments
of the
Medical Officer of
Health*

*Council Offices,
Thornton Cleveleys,
Blackpool.*



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THORNTON CLEVELYS
URBAN DISTRICT COUNCIL.

* * * * *

HEALTH COMMITTEE - 1968.

CHAIRMAN:

Councillor Mrs F. HULL, J.P.

VICE-CHAIRMAN:

Councillor J. GRIME.

Councillor C.R.ASHWORTH.

Councillor T.H.DICKENS.

Councillor F.W. GILLIBRAND.

Councillor A.L. HACKETT.

Councillor J.G. MOORE.

Councillor T. WARD.

CHAIRMAN OF THE COUNCIL.

Councillor A. FEENEY, J.P.

P U B L I C H E A L T H O F F I C E R S.

MEDICAL OFFICER OF HEALTH.

JOHN E. MORRIS. B.Sc.,M.B.,B.Ch.,D.P.H.,D.I.H.,D.C.H.

CHIEF PUBLIC HEALTH INSPECTOR
AND CLEANSING OFFICER.

ARTHUR EDWARD BARNES, M.R.S.H.,M.P.H.I.A.,M.I.P.C.,
(Certified Meat & Food Inspector).

DEPUTY CHIEF PUBLIC HEALTH INSPECTOR:

KENNETH ERNEST EMERY.

M.R.S.H.,M.P.H.I.A.
Food Hygiene Diploma.—Royal
Society of Health. Certified
Meat and Food Inspector.

PUBLIC HEALTH INSPECTOR AND SHOPS
INSPECTOR.

NORMAN THORPE.

Cert.P.H.I.E.B.,M.P.H.I.A.,
Certified Meat & Food Inspector.

PUPIL PUBLIC HEALTH INSPECTOR:

ARNOLD EARL PORTER.
(Left 31.8.68).

JOHN GRAHAM SIMM.
(Commenced 16.9.68)

CHIEF CLERK:

MISS S.A. SIMCOCK.

JUNIOR CLERK:

MISS L. ORMESHER.
(Left 30.9.68)

MISS J. ROBINSON.
(Commenced 18.11.68)

MEDICAL OFFICER'S REPORT.

Council Offices,
THORNTON CLEVELEYS.

TO THE CHAIRMAN AND MEMBERS OF THE
THORNTON CLEVELEYS URBAN DISTRICT COUNCIL.

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you the Annual Report of the Medical Officer of Health for the year 1968.

The vital statistics for the area remained generally satisfactory during the year. There was an increase in the number of cases of infectious disease notified during the year. Two hundred and twenty five cases of measles and one hundred and thirty one cases of chicken pox were notified. During the year, however, it was resolved by the Health Committee that chicken pox should no longer be a notifiable disease in the Urban District as from January 1st, 1969. The leading causes of death in the area during the year were again cardio vascular disease, malignant illnesses and bronchitis and pneumonia; this is in keeping with the national pattern. It is seen that there has been an increase in deaths from lung cancer and this again reflects the national pattern. We are unlikely to see any reduction in the incidence of lung cancer deaths until there is a considerable reduction in cigarette smoking in this country.

My thanks are again due to my colleagues in the Health Department for their loyalty and assistance.

To you, Mr. Chairman and members of the Health Committee, my appreciation of the encouragement and support afforded to me.

I am,

Ladies and Gentlemen,

Yours faithfully,

J.E. MORRIS.

Medical Officer of Health.

V I T A L S T A T I S T I C S

HOME POPULATION (Registrar-General's Estimate mid 1968)..... 25,920

<u>LIVE BIRTHS:</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	185	177	362
Illegitimate	9	20	29
	<u>194</u>	<u>197</u>	<u>391</u>

Live Birth Rates per 1,000 of Population:-

Crude Rate	15.1
Adjusted	21.0
Illegitimate live births per cent of total live births	7.4

<u>DEATHS(ALL CAUSES)</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Number Registered	222	210	432

Death Rate per 1,000 of Population:-

Crude Rate	16.7
Adjusted Rate	10.4

<u>STILLBIRTHS</u>	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	1	4	5
Illegitimate	<u>1</u>	<u>4</u>	<u>5</u>

Rate per 1,000 total births 13.0

MATERNAL MORTALITY

Number of deaths registered	1
Maternal mortality Rate per 1,000 total births	2.53

INFANT MORTALITY

Number of Deaths registered under 1 year:-

	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	5	-	5
Illegitimate	<u>1</u>	<u>-</u>	<u>1</u>
	<u>6</u>	<u>-</u>	<u>6</u>

Rate per 1,000 Live Births 15.0

NEO-NATAL

Number of Deaths registered (under 4 weeks):-

	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	3	-	3
Illegitimate	<u>1</u>	<u>-</u>	<u>1</u>
	<u>4</u>	<u>-</u>	<u>4</u>

Rate per 1,000 Live Births 10.2

Number of Deaths Registered (under 1 week):-

	<u>M.</u>	<u>F.</u>	<u>Total.</u>
Legitimate	3	-	3
Illegitimate	<u>1</u>	<u>-</u>	<u>1</u>
	<u>4</u>	<u>-</u>	<u>4</u>

Rate per 1,000 Live Births 10.2

VITAL STATISTICS - CONTINUED

5.

	PER 1,000 OF ESTIMATED POPULATION				Maternal Mortality Rate	Infantile Mortality Rate
	Live Birth Rate (Crude)	Crude Death Rate	Death Rate from T.B. of Respiratory System.	Death Rate from Cancer.		
Mean of 5 years 1963 - 67	15.9	17.3	0.03	2.93	Nil	17.5
1967	16.2	16.7	Nil	2.21	Nil	17.7
1968	15.1	16.7	Nil	2.78	2.53	15.0
Increase or Decrease In 1968 on 5 years Average: 1963 - 67	-0.8	-0.6	-0.03	-0.15	+2.53	-2.5
On Previous Year 1967	-1.1	Same	Same	+0.57	+2.53	-2.7

1968 - Adjusted Birth Rate (Comparability factor 1.39) = 21.0
 1968 - Adjusted Death Rate (Comparability factor 0.62) = 10.4

BIRTH, DEATH & INFANTILE MORTALITY RATES (ADJUSTED)

Year	Birth Rate	General Death Rate	Infantile Mortality Rate
1964	19.4	13.5	11
1965	17.6	12.2	15
1966	23.2	10.8	20
1967	22.2	10.2	17
1968	21.0	10.4	15

STATISTICAL SUMMARY

Area in statute acres	3,355
Population (1964 Census)	22,020
Population (Estimated mid 1968)	25,920
Density of Population per acre	7.7
Estimated number of inhabited houses (Dec. 1968)	10,439
Average number of persons per house	2.4
Rateable Value	£1,379,109
Sum represented by a Penny Rate	£5,690
Live Births	391
Live Birth Rate per 1,000 Population (adjusted)	21.0
Still Births	5
Still Birth Rate per 1,000 live and still births	13
Total live and still births	396
Total Deaths	432
Death Rate per 1,000 Population (adjusted)	10.4
Infant Deaths (under 1 year)	6
Infant mortality rate per 1,000 live births (total)	35.8
Infant mortality rate per 1,000 live births (legitimate)	28.1
Infant mortality rate per 1,000 live births (illegitimate)	7.6
Neo-natal mortality rate per 1,000 live births (first 4 weeks)	10
Early Neo-natal mortality rate per 1,000 live births	10
Maternal deaths (including abortion)	1
Maternal mortality rate per 1,000 live and still births	2.53
Respiratory Tuberculosis Rate per 1,000 Population	Nil
Cancer Death Rate (Malignant Neoplasm)	2.78
Influenza Death Rate	0.15
Pneumonia (all forms) Death Rate	0.74
Other Respiratory diseases (all forms)	0.23

LOCAL ACTS IN FORCE IN THE DISTRICT DEALING WITH
SANITARY ADMINISTRATION

Thornton Urban District Council Act	31st July, 1923
Thornton Cleveleys Improvement Act	31st July, 1936
Lancashire County Council (General Powers) Act	1951

BYE-LAWS

New Streets and Buildings	1926 & 1937
Building Bye-Laws (Public Health Act, 1936)	1954
Pleasure Grounds	1938
Bye-Laws under Sec. 15 - Food and Drugs Act, 1938	1950
Bye-Laws under Sec. 81 - Public Health Act, 1936	1951
Bye-Laws under Sec. 61 - Public Health Act, 1936 and Sec. 24 - Clean Air Act, 1956.	1959

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT

By the Lancashire (Central and Western Areas) Review Order, 1934 a part of the Township of Carleton, containing 354 acres, was added to the Urban District on the 1st April, 1934. The district is bounded on the West by the Irish Sea; on the East by the River Wyre; on the North by the Borough of Fleetwood and on the South by the County Borough of Blackpool.

GEOLOGY

The general sub-soil of the district is clay which is over-laid with a thick layer of alluvial deposit (blue silt), varying in thickness from four to eight feet. On top of this is a thin layer (about four inches) of peaty matter. This was found in considerable thickness in Butts Road (North Ward) and also in Fleetwood Road (East Ward). On top of this again is a layer of sandy soil or a mixture of soil and clay, varying in thickness from two and a half feet to four feet. The surface covering is about six inches in thickness. From above downward we get:- (1) surface covering; (2) mixture of soil and clay or sandy soil; (3) peat; (4) silt, (5) boulder clay.

CLIMATE

The prevailing wind is a westerly sea breeze and together with the usually mild winters, produces a temperate and very bracing climate.

AREA AND DETAILS OF POPULATION

As previously mentioned, the area of Thornton Cleveleys was increased by the inclusion of a part of the Parish of Carleton, on the 1st April, 1934, the total area now being given as 3,355 acres.

The average number of persons per acre is 7.7

WARD BOUNDARIES

The Ward Boundaries were altered during 1963 and two new Wards were formed, namely North Central and South Central. The new Wards are now as follows:-

<u>NORTH WARD:</u>	The number of houses in North Ward is:	1,946
<u>NORTH CENTRAL WARD:</u>	The number of houses in North Central Ward is:	1,809
<u>SOUTH WARD:</u>	The number of houses in South Ward is:	1,550
<u>SOUTH CENTRAL WARD:</u>	The number of houses in South Central Ward is:	1,586
<u>EAST WARD:</u>	The number of houses in East Ward is:	2,072
<u>WEST WARD:</u>	The number of houses in West Ward is:	1,476

SOCIAL CONDITIONS, INDUSTRIES, ETC.

During the last few years, the Cleveleys portion of the district has rapidly developed as a seaside holiday resort and with the additional amenities now provided, together with the activities of private builders, the district as a whole has greatly benefited.

The largest employers of labour within the district are the Imperial Chemical Industries, Ltd., who have large chemical and plastic Works on the Northern boundary. There is still a large portion of the district devoted to agriculture. Many people are employed at the Offices of the Ministry of Social Security which are situated in our area.

INQUESTS AND INQUIRIES

<u>WARD</u>	<u>YEARS</u>	<u>CAUSES OF DEATH</u>
<u>NORTH WARD</u>		
1. Male	62	Acute left ventricular failure due to coronary thrombosis.
2. Female	76	Congestive heart failure due to mitral stenosis.
3. Female	60	Acute left ventricular failure.
4. Male	67	Coronary occlusion.
5. Female	68	Acute left ventricular failure, hyperplasia.
6. Female	28	Pyelitis and cystitis.
7. Male	62	Carcinoma of lung.
<u>NORTH CENTRAL WARD</u>		
8. Male	21	Collapsed lungs due to acute bronchitis.
<u>SOUTH WARD</u>		
9. Female	76	Ruptural aorta due to arterio sclerotic patch.
10. Male	67	Coronary occlusion.
11. Female	79	Acute bilateral lobar pneumonia.
<u>SOUTH CENTRAL WARD</u>		
12. Female	60	Influenzal pneumonia.
<u>EAST WARD</u>		
13. Male	69	Coronary thrombosis.
14. Female	71	Ruptured left ventricle, coronary thrombosis.
15. Female	76	Carcinoma - stomach.
16. Female	62	Acute ventricular failure, due to coronary occlusions.
17. Male	64	Acute left ventricular failure.
18. Male	67	Acute left ventricular failure.
19. Male	69	Coronary thrombosis.
20. Male	66	Acute left ventricular failure, coronary occlusion.
21. Male	57	Acute left ventricular failure, coronary occlusion.
22. Male	85	Ischaemic myocardial fibrosis due to coronary arterio sclerosis and acute bronchitis.
23. Male	71	Retroperitoneal haemorrhage from ruptured heart.
24. Male	68	Acute left ventricular failure, coronary occlusion.

INQUESTS AND INQUIRES (CONTD)EAST WARD (CONTD)YEARSCAUSES OF DEATH

25. Female

75

Asphyxia due to carbon monoxide poisoning due to inhaling gas at house. Misadventure.

WEST WARD

26. Female

86

Ruptured left ventricle due to coronary thrombosis.

27. Male

76

Coronary occlusion. Bronchitis.

28. Male

77

Ischaemic myocardial fibrosis due to coronary arterio sclerosis.

29. Female

84

Ruptured aorta due to broken arterio sclerotic patch aorta.

30. Female

78

Congestive heart failure.

31. Female

59

Coronary thrombosis.

32. Male

45

Acute left ventricular failure, coronary occlusion, bronchitis.

33. Male

83

Asphyxia due to inhalation and regurgitation of food. Misadventure.

34. Male

69

Acute left ventricular failure due to calcific aortic stenosis.

35. Male

63

Acute left ventricular failure, coronary occlusion.

36. Female

82

Acute left ventricular failure due to coronary occlusion.

37. Male

83

Cardiac infarction. Acute bronchitis.

38. Male

70

Coronary occlusion, chronic bronchitis.

V I T A L S T A T I S T I C S

BIRTHS.

During the year 391 births were recorded by the Registrar-General, comprising 194 males and 197 females.

Birth Rate for district (adjusted): 21.0 per 1,000 as against 22.2 for 1967.

Still-births: 13.0 per 1,000 (live and still) births.

DEATHS.

Based on a population of 25,920, the Registrar-General gives the Death Rate (adjusted) as 10.4 compared with 16.7 for 1967.

The allocation to the various ward of the district (after excluding transferable deaths and including local residents dying outside the district) is as follows:-

<u>WARD.</u>	<u>MALES.</u>	<u>FEMALES</u>	<u>TOTAL.</u>
North.	39	37	76
North Central.	42	35	77
South.	30	25	55
South Central.	38	47	85
East.	34	28	62
West.	39	38	77
	<u>222</u>	<u>210</u>	<u>432</u>

AGES AT DEATH

	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
Under 1 week	4	—	4
Under 4 weeks of age	—	—	—
Under 1 year of age	1	—	1
TOTAL UNDER 1 YEAR	<u>5</u>	<u>—</u>	<u>5</u>
1 - 4 years	<u>—</u>	<u>—</u>	<u>—</u>
TOTAL UNDER 5 YEARS	<u>5</u>	<u>—</u>	<u>5</u>
5 - 14 years	1	—	1
15 - 24 years	2	—	2
25 - 44 years	1	3	4
45 - 64 years	40	28	68
65 years and over	173	179	352
TOTAL - ALL AGES . .	<u>222</u>	<u>210</u>	<u>432</u>

CAUSES OF DEATH

	<u>Males.</u>	<u>Females.</u>	<u>Total.</u>
Malignant Neoplasm - Stomach.	4	9	13
Malignant Neoplasm - Lung, bronchus.	14	3	17
Malignant Neoplasm - Breast.	-	4	4
Malignant Neoplasm - Uterus.	-	3	3
Leukaemia.	1	1	2
Other Malignant Neoplasms, etc.	22	11	33
Diabetes Mellitus.	3	2	5
Anaemias.	1	2	3
Other diseases of Nervous System, etc.	2	2	4
Chronic rheumatic heart disease.	1	5	6
Hypertensive Disease.	3	7	10
Ischaemic heart disease.	68	41	109
Other forms of heart disease.	16	21	37
Cerebrovascular Disease.	26	39	65
Other diseases of circulatory system.	12	22	34
Influenza.	3	1	4
Pneumonia.	11	8	19
Bronchitis and Emphysema.	11	6	17
Asthma.	-	3	3
Other diseases of Respiratory System.	5	1	6
Peptic Ulcer.	1	-	1
Intestinal obstruction and Hernia.	1	2	3
Other diseases of Digestive System.	2	5	7
Nephritis and Nephrosis.	2	-	2
Other diseases, Genito-Urinary system.	1	2	3
Other complications of Pregnancy, etc.	-	1	1
Congenital Anomalies.	2	-	2
Birth Injury, difficult labour, etc.	3	-	3
Symptoms & ill-defined conditions.	3	4	7
Motor Vehicle Accidents.	2	2	4
All other Accidents.	2	2	4
All other External Causes.	-	1	1
	<hr/>	<hr/>	<hr/>
TOTAL - ALL CAUSES:	222	210	432
	<hr/>	<hr/>	<hr/>

INFECTIOUS DISEASE.

There were 389 cases of Infectious Disease notified during the year, as against 446 cases during 1967, and were as follows:-

Total cases notified:

Measles	225
Scarlet Fever	13
Chicken Pox	131
Erysipelas	1
Whooping Cough	3
Dysentery	8
Infective Jaundice	5
Ophthalmia Neonatorum	1
Pulmonary Tuberculosis	2
	<hr/>
	389

The distribution in relation to the various Wards of the district is as follows:-

	<u>N.</u>	<u>N.C.</u>	<u>S.</u>	<u>S.C.</u>	<u>E.</u>	<u>W.</u>	<u>TOTAL.</u>
Measles	31	71	24	29	38	32	225
Scarlet Fever	5	3	2	2	-	1	13
Chicken Pox	30	22	30	9	24	16	131
Erysipelas	-	-	-	-	1	-	1
Whooping Cough	-	2	-	-	1	-	3
Dysentery	1	-	-	6	-	1	8
Infective Jaundice	1	-	-	2	1	1	5
Ophthalmia Neonatorum	-	-	-	-	-	1	1
Pulmonary Tuberculosis	-	2	-	-	-	-	2
	<hr/>						
	68	100	56	48	65	52	389

FOOD POISONING OUTBREAKS.

<u>No. of Cases.</u>	<u>No. of Deaths.</u>	<u>Organisms or other agents responsible.</u>	<u>Food Involved.</u>
—	—	—	—

CASES NOTIFIED.

AGE PERIODS.

DISEASE.	Under 1 yr.	1+	2+	3+	4+	5-9	10-14	15-19	20-34	35-44	45-65	Over 65	Not known.	TOTAL.
Measles.	4	31	34	37	42	73	2	-	2	-	-	-	-	225
Scarlet Fever.	-	-	1	2	2	8	-	-	-	-	-	-	-	13
Chicken Pox.	2	6	10	5	10	80	10	6	2	-	-	-	-	131
Erysipelas.	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Whooping Cough.	-	1	1	-	-	1	-	-	-	-	-	-	-	3
Dysentery.	-	3	-	-	-	3	1	-	-	1	-	-	-	8
Infective Jaundice.	-	-	-	-	-	-	-	1	4	-	-	-	-	5
Ophthalmia Neonatorum.	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Pulmonary Tuberculosis.	-	-	-	-	-	-	-	-	1	-	1	-	-	2
TOTAL:	7	41	46	44	55	165	13	7	9	1	1	-	-	389

C A S E S N O T I F I E D

The following Table shows the number of cases and the months in which they were notified:-

DISEASE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL
Measles	-	-	-	41	74	50	50	9	-	-	-	1	225
Scarlet Fever	-	3	-	2	1	-	-	2	-	-	4	1	13
Chicken Pox	16	18	38	25	6	7	5	2	9	2	1	2	131
Pulmonary Tuberculosis	-	-	-	-	2	-	-	-	-	-	-	-	2
Erysipelas	-	-	-	-	1	-	-	-	-	-	-	-	1
Whooping Cough	-	-	-	2	1	-	-	-	-	-	-	-	3
Dysentery	-	-	3	3	2	-	-	-	-	-	-	-	8
Infective Jaundice	-	-	-	-	-	-	2	-	1	1	1	-	5
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	1	-	1
TOTAL	16	21	41	73	87	57	57	13	10	3	7	4	389

TUBERCULOSIS

The following Table shows the age periods of the cases notified and deaths which have occurred:-

	NEW CASES						DEATHS					
	PULMONARY			NON-PULMONARY			PULMONARY			NON-PULMONARY		
	MALES	FEMALES		MALES	FEMALES		MALES	FEMALES		MALES	FEMALES	
1 - 5 yrs.	-	-		-	-		-	-		-	-	
5 - 10 yrs.	-	-		-	-		-	-		-	-	
10 - 15 yrs.	-	-		-	-		-	-		-	-	
15 - 20 yrs.	-	-		-	-		-	-		-	-	
20 - 25 yrs.	-	1		-	-		-	-		-	-	
25 - 35 yrs.	-	-		-	-		-	-		-	-	
35 - 45 yrs.	1	-		-	-		-	-		-	-	
45 - 55 yrs.	-	-		-	-		-	-		-	-	
55 - 65 yrs.	-	-		-	-		-	-		-	-	
65 yrs. & over	-	-		-	-		-	-		-	-	
TOTAL:	1	1		-	-		-	-		-	-	

ANNUAL REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR.

TO THE CHAIRMAN AND MEMBERS OF THE
THORNTON CLEVELEYS URBAN DISTRICT COUNCIL.

Mr.Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the Public Health and Cleansing Department for the year 1968.

Regular attention has been given to all premises in which food is manufactured or prepared for sale and the operation of the Food Hygiene Regulations must continue to be an important part of the department's work.

In spite of our efforts to persuade owners to take advantage of the Housing Improvement Grants which are available, progress in this direction during the year has not been outstanding.

The Cleansing Services were carried out satisfactorily and a regular service was maintained. It is not easy to recruit labour in this area for the emptying of dust bins and the work was, on many occasions, stretched to the limit.

In common with other authorities, we suffered a great deal of damage at the public conveniences and this vandalism causes extra work and also greatly increases the cost of maintenance.

To sum up, the year has been one of steady work with nothing of a spectacular nature.

I wish to thank the Chairman and Members of the Health Committee and the Council for their helpful co-operation and continued interest in all public health matters concerning the welfare of the district.

I also tender my grateful thanks to the administrative and technical staff for their loyalty and support during the year.

I am,
Mr.Chairman, Ladies and Gentlemen,

Yours faithfully,

A. E. BARNES.

Chief Public Health Inspector and
Cleansing Officer.

SANITARY CIRCUMSTANCES IN THE AREA.WATER SUPPLY.

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft and of a peaty nature. Only one outlying house depends on well water.

Three samples of water were taken by this department from the mains supply. Two were submitted for bacteriological examination and one for chemical analysis. All samples were satisfactory.

Twenty-six samples of mains water were taken by the Fylde Water Board and the following information has been supplied by them.

No. of samples taken.....	26
No. free from Coliform organism.....	26
% satisfactory.....	100

Aerobic micro-organisms growing in Yeastral Agar:

In 2 days @ 37°C.....	1
In 3 days @ 22°C.....	6

No complaints were received during the year with respect to the water supply.

From information received from the Fylde Water Board, the fluoride content of all the water supplied is less than 0.01 p.p.m. as F.

STATISTICS.

Total number of houses supplied by Fylde Water Board.....	10,438
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Total number of houses dependent upon well water.....	1
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	10,439
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The only house in the district dependent upon well water is remote from a mains supply and it would be an advantage if this house could be connected to the mains supply. This question is still being pursued.

TYPICAL CHEMICAL ANALYSIS OF THE FYLDE WATER SUPPLY.

	<u>Winter Supply.</u>	<u>Summer Supply.</u>
	Clear & Bright.	Clear & Bright.
Appearance.		
Colour (Hazen p.p.m. Pt)	5	5
Turbidity (p.p.m. Silica)	Nil	Nil
Odour.	Nil	Nil
Taste.	Normal	Normal
Reaction pH value.	8.0	8.2
	p.p.m.	
Residual Chlorine.	0.05	0.05
Free & Saline Ammonia as N ₂	0.02	0.02
Albuminoid Ammonia as N ₂	0.06	0.08
Nitrous Nitrogen as N ₂	-	-
Nitric Nitrogen as N ₂	0.13	0.16
Oxygen absorbed 4 hrs. @ 27°C.	0.83	0.60
Free Acidity as CO ₂	- Less than 5 -	
Carbonate Hardness as CaCO ₃	26	64
Total Hardness as CaCO ₃	42	82
Non-carbonate Hardness as CaCO ₃	16	18
Excess Alkalinity as Na ₂ CO ₃	Nil	Nil
Calcium as CaCO ₃	34	56
Magnesium as CaCO ₃	8	26
Total Solids dried at 180°	83	127
Chloride as Cl.	12	15
Sulphate as SO ₄	19	22
Lead as Pb.	- Less than 5 -	
Manganese as Mn.	Nil	0.05
Copper as Cu.	Nil	Nil
Iron as Fe.	0.02	0.06
Aluminium as Al.	0.06	0.05
Fluoride as F.	- Less than 0.10 -	

DRAINAGE AND SEWERAGE.

Owing to the flat nature of the district, a system of electrical pumps and ejectors worked by compressed air, is in operation. The sewage is discharged near dead low water mark into the sea. No extensive additions were made to the sewers during the year but additions were made to drain new housing estates.

Sanction has been received in respect of substantial improvement to the surface water drainage in the district and also in regard to improvements and alterations to pumping stations and the foul sewerage system. It is anticipated that work of improvements will start in the coming year.

STATISTICS.

Dwelling-houses using water carriage system...	10,431
Dwelling-houses using privy middens...	-
Dwelling-houses using pail closets ...	7
Dwelling-houses dependent upon well water. ...	1

No conversions took place during the year.

DRAINAGE.

The department employs a man part-time on drainage work, the cost of clearing and cleansing the blocked drains being borne by the owner or occupier. This service to the public is much appreciated and also helps in the efficient working of the department. Preparation and service of notices is thus avoided unless the blockage is due to structural defect of the drains.

P U B L I C C L E A N S I N G .

The vehicles used in the department are as under:-

S.D.3.	"TW" type diesel fore and aft tipper.	Licensed March, 1961.
S.D.4.	"TW" type diesel fore and aft tipper.	Licensed Sept. 1962.
S.D.5.	"TZ" type diesel Pakamatic type.....	Licensed March, 1967.
S.D.6.	"TBZ" type diesel Pakamatic type.....	Licensed Jan. 1968.

A new 35 cu.yd. Pakamatic vehicle came into operation in January, 1968. This replaced two old vehicles which were disposed of. The cleansing work is now carried out by two 35 cu.yd. Pakamatic vehicles and one TW.type diesel fore and aft tipper, which has been converted for bulk containers. The collection of wastepaper is carried out by a TW type diesel fore and aft tipper.

During the second half of the year, an area of the district, comprising 522 premises, was converted to the paper sack system for an experimental period of six months. If this proves satisfactory, the scheme will be extended.

Serious consideration was given to the provisions of the Civic Amenities Act, 1967 and six refuse disposal points were set up throughout the district. A refuse disposal point consists of a bulk container surrounded by fencing and allowing adequate space for the depositing of bulky articles which would not go into the bulk container. After a short period it was found necessary to empty these refuse compounds each day as they were being well used and apparently appreciated by the public. In addition, bulk containers were provided by the owners of many of the larger hotel and shop premises. A vehicle was adapted by the manufacturers for the emptying of these containers and as a result, the refuse is stored in a more satisfactory manner than by a multiple number of dust bins.

Costings - Refuse Collection (Year Ending 31.3.69)

	£	£
Total gross cost involved-collection of house, shop and trade refuse.....		22,249
Net cost of salvage: Sales.....	2,857	
Cost.....	<u>2,862</u>	<u>5</u>
		22,254
Income - Trade Refuse, etc.....		<u>479</u>
		<u>21,775</u>
Expenditure per 1,000 houses per annum.....		£2,086
Expenditure per 1,000 population per annum.....		£1,148

DISPOSAL OF REFUSE.

Refuse is disposed of by controlled tipping methods and from June, 1967, tipping facilities were shared with a neighbouring authority, along with the costs involved. This is a very helpful arrangement and will provide us with tipping space for many years to come.

Costings - Refuse Disposal (Year Ending 31.3.69)

Number of loads.....	2,299
Estimated weight (tons).....	8,046
Total Cost (net).....	£2,437
Cost per ton.....	6/1d.
Cost per 1,000 houses per annum.....	£233
Cost per 1,000 population per annum.....	£94

Costings - Refuse Collection & Disposal (Year Ending 31.3.69)

Total Cost.....	£24,212
Cost per 1,000 houses per annum.....	£2,319
Cost per 1,000 population per annum.....	£934

COLLECTION AND DISPOSAL OF SALVAGE.

The Council continued with the collection of wastepaper salvage during the year. The price remained at £8. 2. 6. a ton until the 23rd September, when it was increased to £8. 17. 6. per ton.

Throughout the year a bonus scheme was in operation for the collection and baling of paper.

SALVAGE DISPOSED OF DURING YEAR ENDING 31st DECEMBER, 1968.

	tons.	cwts.	lbs.	£.	s.	d.
Wastepaper(baled).....	342.	4.	70.	2,834.	14.	11.
Mixed Rags.....		1.	74.	1.	3.	3.
Aluminium.....		1.	60.	6.	9.	0.
Brass.....			10.		14.	2.
Lead.....			8.		5.	8.
	<u>342.</u>	<u>7.</u>	<u>110.</u>	<u>2,843.</u>	<u>7.</u>	<u>0.</u>

REFUSE COLLECTION STATISTICS.

	1968.
Estimated tonnage collected.....	8,029
Total mileage run by vehicles.....	22,255
Number of visits to premises.....	536,327
Number of ash bins emptied.....	585,539

EMPLOYEES.

Foreman.....	1
Motor Drivers.....	4
Refuse and Salvage Collectors.....	15
Paper Balers.....	1

TOTAL: 21

The above figures show the minimum labour requirements of the department at present, but it is necessary from time to time to increase this labour force due to the growth of the number of houses and the fact that during the holiday period, additional collections have to be given. We have now reached the stage when the labour force and number of vehicles will have to be increased to meet the increasing demands made on the service. The cost of the collection of refuse is kept under constant review or it could become a very expensive item.

As a result of work study on refuse collection, an interim incentive bonus scheme came into operation on the 1st May, 1967. This is based on the number of premises in the district and is adjusted each month as the number of premises increases.

Again, as a result of work study, an interim salvage bonus scheme was introduced in respect of the paper salvage collector and baler. This came into operation at the end of December, 1967 and is based on the amount of paper collected by the Paper Company during the month.

At my request, the Council agreed that the Cleansing activities of the department should be the subject of a complete Work Study investigation early in 1969.

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL.

<u>MONTH.</u>	<u>LOADS.</u>	<u>MILEAGE.</u>	<u>VISITS TO PREMISES.</u>	<u>ASHBINS EMPTIED.</u>
JANUARY.	160	1,570	41,411	44,766
FEBRUARY.	216	1,916	49,407	54,937
MARCH.	170	1,587	40,621	43,548
APRIL.	237	1,871	41,363	45,661
MAY.	234	2,191	52,012	57,600
JUNE.	193	1,833	39,968	46,301
JULY.	165	1,538	41,769	45,016
AUGUST.	232	2,345	52,716	56,835
SEPTEMBER.	172	1,896	40,560	44,173
OCTOBER.	205	2,198	52,338	56,055
NOVEMBER.	155	1,743	42,418	45,623
DECEMBER.	155	1,567	41,744	45,024
	<u>2,294</u>	<u>22,255</u>	<u>536,327</u>	<u>585,539</u>

CIVIC AMENITIES ACT, 1967. REMOVAL & DISPOSAL OF VEHICLE REGULATIONS, 1968

During the year 111 cars and vans were dealt with under the provisions of the above Act. All the vehicles were removed from the district to the refuse tip. It was not found necessary to take any proceedings but Notices had to be served and in some cases the alleged owners of the vehicles could not be traced. When they were traced, however, the removal of the vehicles could usually be achieved in co-operation with the department.

PUBLIC CONVENIENCES.

The department is responsible for the cleansing and maintenance of all Public Conveniences. The following is a list of such Conveniences as at 31st December, 1968. They are cleansed by one man full-time; one lady supervisor full-time and one lady cleaner full-time. As the number of conveniences increases, the question of additional labour will have to be considered.

SITUATION.	ACCOMMODATION FOR FEMALES.	ACCOMMODATION FOR MALES.
Arena, Cleveleys.	6 WCs., 2 wash-hand basins with hot & cold water.	3 WCs. & urinal; 2 wash-hand basins with hot & cold water.
Bathing Station, Cleveleys. *	9 WCs., 2 wash-hand basins with hot & cold water.	4 WCs. & urinal; 2 wash-hand basins. Cold water only.
Jubilee Gardens, Cleveleys.	10 WCs. 2 wash-hand basins. Hot water at only 1, cold at other.	5 WCs. & urinal. 2 wash-hand basins. Hot water at 1, cold at other.
Jubilee Gardens Bowling Green, *Cleveleys.	2 WCs.	1 WC. and urinal.
Bus Station, Cleveleys.	5 WCs. 2 wash-hand basins with hot & cold water.	2 WCs. & urinal. 2 wash-hand basins with hot & cold water.
Victoria Square, Cleveleys.	2 WCs. 2 wash-hand basins. Cold water supply only.	1 WC. and urinal.
Ashdell Bowling *Green, Thornton.	3 WCs. 1 wash-hand basin. Cold water supply only.	2 WCs. & urinal. 1 wash-hand basin. Cold water only.
Four Lane Ends, Thornton.	3 WCs. 1 wash-hand basin, with hot & cold water.	2 WCs. & urinal. 1 wash-hand basin with hot & cold water.
Fleetwood Road N., Thornton.	2 WCs. 1 wash-hand basin. Hot and cold water.	1 Wc. and urinal. 1 wash-hand basin with hot and cold water.
River Wyre Foreshore, Thornton.	2 WCs. 2 wash-hand basins with hot & cold water.	1 Wc. & 2 urinals. 2 wash-hand basins with hot & cold water.
Kenyon Park, Thornton.	3 WCs. 4 wash-hand basins with hot & cold water.	2 WCs. & urinal. 3 wash-hand basins with hot & cold water.

* Not in use during winter months.

During the year new conveniences were opened at Kenyon Park, Stanah Road, Thornton and on Fleetwood Road North, Thornton. The existing conveniences at Gamble Road were demolished. It was agreed that the conveniences at Victoria Square should be replaced by new ones in Brighton Avenue, Cleveleys, and at the end of the year these were under construction. In common with other authorities, we suffered a great deal of damage and this vandalism causes extra work and also increases greatly the cost of maintaining them.

SANITARY INSPECTIONS.

The following table shows the number of inspections carried out during the year:-

Number of premises visited.....	5,095
Number of defects or nuisances discovered.....	550
Number of defects or nuisances abated.....	500
Number of Informal Notices served.....	20
Number of Statutory Notices served.....	3
Number of complaints received and investigated.....	408

Work carried out.Sanitary accommodation and Drainage.

Drains cleansed from obstruction.....	385
Drains repaired and relaid and new chambers built.....	11
Cellars pumped dry.....	2

Housing:

Rising and penetrating dampness eradicated.....	1
Eavesgutters repaired.....	5
Roofs repaired and made waterproof.....	6
Walls and ceilings repaired and redecorated.....	3
Defective spouting repaired or replaced.....	2
Chimney pots repointed.....	1
Windows repaired and provided.....	15
Ventilation provided.....	24

Miscellaneous:

Offensive accumulations removed and land cleared.....	24
Food Hygiene Regulations - Items completed.....	17
Caravans removed from land.....	1
Factories Act - work completed.....	5
Smell/noise/smoke nuisances dealt with.....	8
Miscellaneous.....	5

515

SUMMARY OF VISITS MADE.

Visits to defective drains, tested and inspected.....	525
Visits to drains cleansed from obstruction.....	385
Visits to water under floors, flooded land and gardens.....	39
Visits to dykes and watercourses.....	9
Visits re inspections of Public Conveniences.....	162
Visits re Food Hygiene Regulations & Market Stalls Regulations..	470
Visits re unsound foodstuffs.....	31
Visits made in connection with Brucellosis.....	40
Visits to premises where milk and ice cream are sold.....	27
Samples taken: Milk.....	20
Ice Cream.....	28
Shell Fish(4),Ice Lollies(6).....	10
Meat Pies and their fillings, etc.....	8
Water.....	3
Visits to premises re manufacture of meat pies(carcase swabs)...	32
Visits re rodent control - treatment and eradication.....	800
" " " " search and survey.....	486
Visits re other vermin. Pigeons(111);Ants,Wasps,Bats,flies,etc..	179
Enquiries re Council houses - applications.....	96
Inspections of tenanted Council houses (defects,etc.).....	29
Visits re Improvement Grants and Surveys.....	360
Visits re defects and alterations in houses.....	137
Visits to houses in multi-occupation and holiday flats.....	23
Visits re demolition of houses.....	7
Visits re dirty houses.....	7
Visits to houses under Public Health Act.....	65
Visits re smoke, smell and noise observations.....	165
Visits to air pollution apparatus (daily).....	459
Visits to cases of Infectious Disease and Dysentery.....	398
Visits to Factories.....	98
Visits re Offices,Shops and Railway Premises Act.....	250
Visits re refuse and salvage collection and disposal.....	720
Visits to untidy land, yards, etc.....	135
Visits re pig-keeping and to piggeries.....	19
Visits re Caravan Sites and Control of Development Act.....	385
Visits to work ordered or in progress.....	246
Owners or agents interviewed.....	130
Visits re Game Dealers' Licences.....	2
Visits to poultry premises and inspections of poultry.....	115
Inspections under the Shops Act.....	115
Visits re Pet Animals Act and Slaughter of Animals Act.....	3
Visits re Hawkers Licences.....	2
Visits re Waste Food Order and to Agricultural Premises.....	7
Complaints investigated.....	431
Visits re nuisances from keeping animals.....	20
Visits re Civic Amenities Act-derelict cars,refuse compounds....	355
Visits under Riding Establishments Act and to Stables.....	5
Miscellaneous Inspections.....	102

DETAILS OF STATUTORY NOTICES SERVED.HOUSING ACT, 1957. PUBLIC HEALTH ACT, 1936.

<u>Act and Section.</u>	<u>Reason for Notices.</u>	<u>No.of Notices served.</u>	<u>No.complied with at end of year.</u>
Housing Act,1957. Section 9.	Housing defects.	3	3
Public Health Act, 1936.	None.	None.	None.

SWIMMING BATHS AND POOLS.

There are no public swimming baths in the area.

RAG,FLOCK & OTHER FILLING MATERIALS ACT,1951.

No premises in the area are licensed for the manufacture of rag, flock or other filling materials. There are two premises on the register where filling materials are used, the provisions of the Act being complied with.

PET ANIMALS ACT, 1951.

Two pet shops were on the register at the end of the year. Inspections have been carried out and the premises appear to be conducted in a proper manner, the provisions of the Act being complied with.

DISEASES OF ANIMALS(WASTE FOODS)ORDER,1957.

Upon the application of the Council, the County Council delegated to us their functions under the above Order, as and from 1st July,1959.

Number of plants licensed at time of delegation.....	3
Number of plants licensed since delegation.....	10
Number of licences cancelled or revoked.....	8
Number of prosecutions.....	0
Number of inspections to licensed plants.....	7

PUBLIC HEALTH AMENDMENT ACT,1907. SECTION 86.DEALERS IN OLD METAL AND MARINE STORE DEALERS.

The provisions of the above Act are in operation and two Certificates are in existence in respect of premises in the area.

DISINFECTION.

Disinfection is carried out by means of a formalin spray or by formalin fumigators. It is carried out on request in houses where deaths have occurred from cancer; infectious disease cases removed to hospital and all cases where deaths have occurred from pulmonary tuberculosis.

SCHOOLS.

The general condition of the schools in the area is satisfactory, all being supplied with Fylde water and in each case modern water closets are provided. The eleven schools in the area are under the control of the Lancashire Education Committee.

DESTRUCTION OF DOMESTIC PETS.

Destruction of domestic pets is carried out by chloroform and for a charge of 1/- a person can have a dog or cat painlessly destroyed. The department undertakes the proper disposal of the carcasses.

Number of dogs destroyed in 1968.....	22
Number of cats destroyed in 1968.....	13
	<u>35</u>
Income from destruction of animals.....	£1. 15. 0.
Income from sale of carcasses.....	<u>£5. 0. 0.</u>
	<u>£6. 15. 0.</u>

SHELL FISH.

There are no shell fish beds in our area. During the year four samples of shell fish were taken from an Oyster Stall on the Promenade and they were all satisfactory.

MORTUARY.

A modern mortuary possessing equipment in accordance with present-day practice has been in use throughout the year. It was used on 127 occasions and 122 post-mortems were conducted by the Police Surgeon.

By arrangement, the Fleetwood Borough Council have the joint use of the mortuary and the net cost is shared between their authority and ours. Two Urban District Councils and a Rural District Council have the use of the mortuary at agreed charges and it is also used on the direction of the local Coroner. It was used as follows:-

Thornton Cleveleys U.D.C.....	38
Fleetwood Borough Council.....	36
Poulton-le-Fylde U.D.C.....	24
Preesall U.D.C.....	15
Garstang R.D.C.....	4
Other Authorities(via the Coroner).....	10

VERMINOUS PREMISES.

Several complaints received during the year were thoroughly investigated, advice and help being given. Minor and new infestations were dealt with by the department in co-operation with the tenants or owners concerned. The eradication of vermin is carried out by proprietary liquid insecticide and D.D.T. powder.

Eradications carried out.

Ants.....	34
Cockroaches.....	16
Wasps' Nests.....	14
Beetles.....	1
Bed Bugs.....	1
Fleas.....	1

MOVEABLE DWELLINGS AND CAMPING SITES.

The control of moveable dwellings and camping sites in this area is under the Caravan Sites and Control of Development Act, 1960.

The number of caravans allowed at each site is as under:-

No.1. Site. (Holiday only).....	180
No.2. Site. (Residential only).....	30
No.3. Site. (Residential only).....	24
No.4. Site. (Holiday only).....	77
No.5. Site. (Holiday only).....	105

One new site in the River Road area opened during the year and both No.4. and No.5 Sites were only partially completed by the end of the year.

All the sites were conducted satisfactorily during the year and there was no cause for any complaint.

FACTORIES ACT.1961.

Records are kept of all premises coming within the scope of the Factories Act and regular inspections are made. Particulars of inspections, defects, contraventions found and remedied, are enumerated in the following tables. There are no underground bakehouses in the district.

1. Inspection of Factories and Other Premises.

	No. on Register.	Inspections.	Written Notices.
Factories(without mechanical power).....	5	5	-
Factories(with mechanical power).....	71	90	6
	76	95	6

2. Defects found in Factories & Other Premises.

	No. of Cases in which defects were found:	
	Found:	Remedied:
<u>Sanitary Conveniences:</u>		
(a) Insufficient.....	-	1
(b) Unsuitable or defective.	10	9
(c) Dirty.....	-	-

ATMOSPHERIC POLLUTION.

During the year recordings of the volumetric concentration of smoke and sulphur dioxide in the atmosphere, were obtained at the following sites in the district, in accordance with the recommendations of the Department of Scientific and Industrial Research.

1. North Western Gas Showrooms, Victoria Square, Cleveleys. (Cleveleys 2).

This site is situated in a commercial area of shops, hotels and boarding-houses, together with many small scattered light industries.

2. North Western Electricity Board Sub-Station, Butts Road, Thornton. (Thornton Cleveleys 2)

The area is dominated by a large chemical Works to the North and East, whilst to the South is light industry and open fields to the West.

CONCENTRATION OF SMOKE & SO₂ in ATMOSPHERE - GAS SHOWROOMS.

Month.	Average SO ₂ Microgrammes/ Cubic Meter.	Average Smoke-- Microgrammes/ Cubic Meter.	Highest Daily SO ₂	Highest Daily Smoke.
Jan.	109.6	118	211	268
Feb.	151.28	174.45	596	581
March.	96.58	57.40	409	395
April.	80.6	54.48	199	136
May.	60.75	44.17	116	98
June.	46.16	18.16	94	42
July.	43.4	23.5	77	61
Aug.	48.34	22.31	75	84
Sept.	69.71	42.34	123.5	107
Oct.	71.11	72.36	172	258
Nov.	125.1	130.5	223	278
Dec.	159.6	185.8	299	531

Average SO₂ = 88.33

Average Smoke = 78.62

CONCENTRATION OF SMOKE & SO₂ IN ATMOSPHERE, BUTTS ROAD, THORNTON.

Month.	Average SO ₂ Microgrammes/ Cubic Meter.	Average Smoke- Microgrammes/ Cubic Meter.	Highest Daily SO ₂	Highest Daily Smoke.
Jan.	81.34	111.9	169	245
Feb.	72.09	123.5	354	350
March.	84.23	86	264	301
April.	52.04	59	176	146
May.	27	45.74	74	62
June.	16.2	19.04	37	42
July.	18	23.7	51	50
Aug.	18.2	17.4	67	42
Sept.	35.2	31	126	61
Oct.	40.56	64.34	128	199
Nov.	76.37	70.47	127	179
Dec.	140.3	110.5	242	224
Average SO ₂ = 55.13		Average Smoke = 68.55		

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963.

TABLE "A"

REGISTRATIONS AND GENERAL INSPECTIONS.			
CLASS OF PREMISES.	NO.OF PREMISES REGISTERED DURING 1968.	TOTAL NO.OF REGISTERED PREMISES AT END OF YEAR.	NO.OF REGISTERED PREMISES RECEIVING A GENERAL INSPECTION DURING YEAR.
OFFICES.	3	56	27
RETAIL SHOPS.	14	176	125
WHOLESALE SHOPS & WAREHOUSES.	—	1	—
CATERING ESTAB- LISHMENTS OPEN TO PUBLIC, & CANTEENS.	6	25	22
FUEL STORAGE DEPOTS.	—	—	—

OFFICES, SHOPS & RAILWAY PREMISES ACT, 1963. (CONTD)TABLE "B"

Number of visits of all kinds by Inspectors, to registered premises.	228
--	-----

TABLE "C"

CLASS OF WORKPLACE:	NUMBER OF PERSONS EMPLOYED:
OFFICES.	282
RETAIL SHOPS.	533
WHOLESALE SHOPS & WAREHOUSES.	1
CATERING ESTABLISHMENTS OPEN TO THE PUBLIC.	318
CANTEENS.	-
FUEL STORAGE DEPOTS.	-
TOTAL: Males: 381 Females: 753	1,134

RODENT CONTROL.

The test-baiting of the foul sewers was not carried out during 1968, but baiting in one small portion of the sewers was carried out. The charges for treatment are as follows:-

Private dwelling-houses..... 12/6d.

Boarding houses, hotels, business premises.... Time @ 10/- hr.
+ cost of baits.

Statistics for 12 months ending 31.12.68.

Number of complaints received.....	124
Number of infestations.....	98
Number of visits for purposes of eradication.....	800
Number of visits for purposes of "search and survey".....	486
Number of premises successfully treated by L.A.....	98

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

It was not found necessary to serve any Notices under the provisions of the above Act and we secured the co-operation of the public at all times. We experienced no difficulty in regard to the operation of the Act.

Statistics for 12 months ending 31.12.68.

PROPERTIES OTHER THAN SEWERS:	TYPE OF PROPERTY.	
	Non-Agricultural.	Agricultural.
1. No.of properties in district.....	11,150	60
2. a) Total no.of properties(incl. nearby premises)inspected following notification.....	123	1
b) No.infested by (i) Rats.....	30	1
(ii) Mice.....	68	-
3. a) Total no.of properties inspected for rats &/or mice for reasons other than notification.....	398	-
b) No.infested by (i) Rats.....	-	-
(ii) Mice.....	-	-
<u>SEWERS:</u>		
4. Were any sewers infested by rats during the year?.....	No.	

H O U S I N G.1. Number of new houses erected during 1968.

	<u>Houses.</u>	<u>Flats.</u>
(1) By the local authority.....	—	—
(2) By other bodies or persons.....	207	15
(3) Total number of houses in area.....	10,439	

New Houses erected in 1968. (Ward Distribution).....

North Ward.....	13
North Central Ward.....	49
South Ward.....	34
South Central Ward.....	11
East Ward.....	94
West Ward.....	11
	<u>212</u>

2. Total No. of Council owned dwellings existing at end of year: 600

3. Inspection of dwelling-houses during year:

(i) (a) Total no. of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts).....	35
(b) No. of Inspections—formal or informal, made for the purpose.....	245
(c) No. of dwelling-houses in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit.....	29
(ii) Total No. of dwelling-houses existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which: (a) Demolition, Clearance or Closing Orders have been made (at any time).....	2
(b) Demolition, Clearance or Closing Orders have not yet been made.....	4

4. Houses Demolished:In Clearance Areas:

- 1) Houses unfit for human habitation.
- 2) Houses included by reason of bad arrangements, etc.....
- 3) Houses on land acquired under Sec. 43(2) Housing Act, 1957.....

Not in Clearance Areas:

- 4) As a result of formal or informal procedure under Sec. 17(1), Housing Act, 1957.....
- 5) Local Authority-owned houses certified unfit by M.O.H.....
- 6) Houses unfit for human habitation where action has been taken under local Acts.....
- 7) Unfit houses included in Unfitness Orders.....

Houses Demolished.	Displaced during year.	
	Persons.	Families.
—	—	—
—	—	—
—	—	—
1	2	—
—	—	—
—	—	—
—	—	—

5. Unfit Houses Closed:-

	Number.	Displaced during year.	
		Persons.	Families.
(1) Under Secs.16(4),17(1) & 35 (1),Housing Act,1957 & Sec.26, Housing Act,1961.	-	-	-
(2) Under Secs.17(3) and 26, Housing Act,1957.	-	-	-
(3) Parts of buildings closed under Sec.18,Housing Act,1957	-	-	-

6. Unfit Houses Made Fit:

	<u>Number.</u>
(1) By owner after informal action by local authority.	5
(2) After formal notice under Secs.9 and 16,Housing Act,1957, (a) by owner.....	3
(b) by local authority.....	-
(3) After formal notice under Public Health Acts.....	-
(4) After modification or revocation of a clearance order under Sec.21,Housing Act,1961.....	-
(5) After determination of a demolition order under Sec.24,Housing Act,1957.....	-
(6) After determination of a closing order under Sec. 27,Housing Act,1961.....	-

7. Unfit Houses in Temporary Use(Housing Act,1957):

	No.of houses.	No.of separate dwellings contained in
	(1)	col(1) (2)
Position at end of year:		
(1) Retained for temporary accommodation-		
(a) Under Section 48.	-	-
(b) Under Sec.17(2)	-	-
(c) Under Sec.46	-	-
(2) Licensed for temporary occupation under Secs.34 or 53.	-	-

8. Purchase of Houses by Agreement:

	No.of houses.	No.of occupants of houses in
	(1)	Col.(1) (2)
Houses in clearance areas other than those included in confirmed orders or compulsory purchase orders.	-	-

IMPROVEMENT GRANTS.

It is estimated that there are still 209 premises in the area without some or all of the five standard amenities. This matter is kept constantly under review and every opportunity is taken to persuade landlords to carry out the improvement of houses by means of Grants.

Discretionary Grants.

Action during year:	No. of Dwelling Houses or other buildings affected in schemes of:	
	Private bodies or individuals.	Local Authority.
(a) Submitted by private individuals to L.A.	—	—
(b) Approved by L.A.	—	—
(c) Submitted by L.A. to Ministry	—	—
(d) Finally approved by Ministry.	—	—
(e) Work completed.	—	—
(f) Additional separate dwellings included in (e) above.	—	—

Standard Grants.

Action during year:	No. of dwellings or other buildings affected.
(a) Applications submitted to L.A.	15
(b) Applications approved by L.A.	20
(c) Work completed.	30

It should be noted that some of the work completed during the year was in respect of some applications submitted during the previous year, as also were some of the applications approved by the local authority.

RENT ACT, 1957.APPLICATIONS FOR CERTIFICATES OF DISREPAIR(1st JAN.-31st DEC.1968).

1. Number of applications for Certificates of Disrepair..... —
2. Number of decisions to issue Certificates of Disrepair..... —
3. Number of Certificates of Disrepair issued..... —

HOUSING ACT, 1957 - SECTION 16.

1.	Individual houses reported upon to Council.....	-
2.	Demolition Orders made.....	-
3.	Undertakings accepted - "house ceased to be used for habitation".....	-
4.	Undertakings accepted - "Render house fit for habitation".....	-
5.	Works completed during year in respect of undertakings.....	-
6.	Undertakings outstanding at end of year.....	-
7.	Houses demolished during year.....	1
8.	Houses demolished voluntarily during year.....	-
9.	Number of families re-housed in Council houses (Old People's Home).....	1 (2 persons).

HOUSING ACT, 1957 - SECTION 42.

1.	Clearance areas reported to Council.....	-
2.	Number of houses in Clearance Areas.....	-
3.	Number of Orders confirmed.....	-
4.	Number of houses in Clearance Areas demolished.....	-
5.	Number of families re-housed in Council houses.....	-
6.	Number of Enquiries held during year.....	-
7.	Number of houses involved in Enquiries.....	-

HOUSING ACT. HOUSES IN MULTIPLE OCCUPATION.

The conditions which exist at these houses are constantly under review and many improvements have been made and there are yet many to make.

M I L K S U P P L Y.

There are now no dairies in this district registered under the Milk and Dairies Regulations.

The bulk of the milk consumed in this area is supplied by large dairies from outside the district and regular samples of all designations of milk are taken.

Distributors registered by L.A.

Distributors with premises in district(including shops)..... 66
Distributors with premises outside district..... 9

MILK SAMPLES.

Type.	No. of Samples.	Satisfactory.	Unsatisfactory.
Raw Milk - (T.T.)			
(i) Methylene Blue Test.	8	5	3
Heat Treated Milk.			
(i) Methylene Blue Test.	9	8	1
(ii) Phosphatase Test.		9	-
(iii) Turbidity Test.		3	-

Samples for Biological Examination.

Total Number of Samples submitted..... 42

	Results:			
	Positive.	Negative.	No Result.	Equivocal.
(a) Tuberculosis.	-	6	-	-
(b) Brucellosis-Ring Test.	5	37	-	-
(c) Brucellosis-Culture Test.	5	-	-	-
(d) Brucellosis-Biological Test.	2	4	-	-

Brucella Abortus.

During the year there were two Orders under the Milk and Dairies (General) Regulations, in respect of affected cows at two farms and they were still in operation at the end of the year.

FOOD AND DRUGS ACT, 1955.Number of Food Premises by Type of Business in District
at end of year.

Type of Business.	Number.
General grocers and provision dealers...	64
Greengrocers and fruiterers(including those selling wet fish, game, etc.)	19
Fishmongers, including those selling poultry, game, etc..	2
Meat shops(butchers, purveyors of cooked and preserved meats, tripe, etc.)...	24
Bakers and/or confectioners.	30
Fried fish shops.....	12
Shops selling mainly sugar confectionery, minerals, ice cream, etc....	37
Licensed premises, clubs, canteens, cafes, restaurants, snack bars and similar catering establishments...	64
Boarding Houses, Food Stalls & vehicles, Food Factories.	125

Section 16 of Food and Drugs Act, 1955;
Lancashire County Council Acts or other Local Acts.

Type of Business.	No. Registered at 31.12.68.	No. of Inspections.
Manufacturers of preserved food...	35	Inspections
Premises registered for manufacture of Ice Cream.	2	carried out
Premises registered for sale of Ice Cream.	117	when visiting
Premises in area registered for Food Hawkers..	13	under Food Hygiene Regulations.

LIQUID EGG(PASTEURISATION)REGULATIONS, 1963.

No. of egg pasteurisation plants in district at end of year... None.

No. of samples of liquid egg submitted for Alpha-Amylase test. None.

BACTERIOLOGICAL EXAMINATION OF FOODSTUFFS

Routine control samples were taken for bacteriological examination from a number of premises in the district where meat products are manufactured. Also surface contamination of meat was tested on arrival of the meat at the premises direct from the abattoir.

A table of samples taken is given below:-

<u>Type of Sample.</u>	<u>No. of Samples taken.</u>	<u>Samples satisfactory.</u>	<u>Samples unsatisfactory.</u>
Sausages...	5	3	2
Meat Pies...	1	1	-
Beef Burgers...	2	2	-
Pork Carcase Meat...	51	51	-
Beef Carcase Meat...	12	12	-
Lamb Carcase Meat...	2	2	-
	<u>73</u>	<u>71</u>	<u>2</u>

In the case of the two unsatisfactory samples, visits were made to the premises concerned and advice given to the owners by the Health Inspector. The samples taken of carcase meat on arrival at the premises from the abattoir, did not show any food poisoning organisms but on 25 samples, evidence of surface contamination of the meat was recorded, which indicates contamination at the slaughter house.

POULTRY HYGIENE AND INSPECTIONS.

Following the receipt of Circular A/P 56/1, dated 30th August, 1966, a survey was carried out to all premises in the district in which it was thought poultry processing could be carried out. It was found that in two premises poultry is dressed in quantities and also in other premises, poultry is dressed at Christmas-time only. A system of inspections was set up and weekly and bi-weekly visits are being made to two premises. During 1968, 115 visits were paid and the following poultry was examined:-

Chickens...	3,999
Turkeys...	2,787
Ducks...	100
Geese...	60
	<u>6,946</u>

- a) No. of poultry-dressing premises within the district... 2*
- b) No. of visits to these premises ... 115
- c) Total no. of birds inspected during the year ... 6,946
- d) Weight of poultry condemned as unfit for human consumption ... 1,150

* Dead poultry are received and the plucking and drawing of the poultry is carried out at these premises.

FOOD AND DRUGS ACT, 1955.

The following information has been supplied by the County Medical Officer of Health, with reference to the number of samples taken in this area by the County Public Health Inspectors. A total of 94 samples were obtained comprising 35 milks (of which 7 were Channel Islands milk) and 59 others, as follows:-

6 Fruit, canned.	1 Dessert Mould.
1 Peanut Butter.	1 Chicken and Bacon Fritters.
1 Custard Powder.	1 Sweet Corn, frozen.
1 Dried Instant Skimmed Milk, Low Fat.	2 Meat and Potato Pies.
1 Ground Almonds.	2 Meat Pies.
1 Tomatoes, canned.	1 Ice Cream.
1 Pork Sausages.	5 Sweets.
1 Lard.	1 Steak and Kidney Pie.
1 Double Cream.	1 Honey.
1 Prawns, canned.	1 Ammoniated Tincture of Quinine B.P.C.
1 Plain Flour.	1 Cinnamon Tablets.
2 Zinc and Castor Oil Cream B.P.	1 Fudding, canned.
1 Epsom Salts B.P.	1 Dried Fruit.
1 Gravy Browning.	1 Sterilised Cream.
1 Mixed Dried Fruit.	1 Tartare Sauce.
2 Flour Confectionery.	1 Aspirin Tablets.
1 Diarrhoea Mixture.	1 Aspirin (Effervescent Tablets).
1 Tonic Tablets.	1 Cake Covering.
1 Soluble Aspirin Tablets B.P.	1 Corned Beef, canned.
1 Part of a Savoury Duck.	1 Creamed Horseradish.
2 Margarine.	1 Cocktail Sausages.
1 Part Jar of Instant Coffee.	1 Meringue Powder.
1 Drinking Chocolate.	

Undermentioned are details of those samples on which the County Analyst gave adverse reports:-

<u>Sample</u>	<u>Result of Analysis.</u>	<u>Action taken.</u>
Plain Flour.	Creta praeparata only 154 milligrams per 100 grammes. Limits 235-390 milligrams per 100 grammes.	Millers informed.
Part of a Savoury Duck.	Contained a side incisor tooth weighing a quarter gramme of a ruminant animal probably a cow.	Complainant informed and manufacturers cautioned.
Fruit, canned.	Fruit contained 61 milligrams and can a further 51 milligrams of fused particles as below:- MAGNETIC IRON OXIDE 74.5% SILICA. 12.5% ALUMINA. 3.5% CARBON & WATER. 7.5%	Further cans with same code number obtained and importers cautioned.

<u>Sample.</u>	<u>Result of Analysis.</u>	<u>Action taken.</u>
Part Jar of Instant Coffee.	Contained a $\frac{1}{4}$ gramme piece of broken glass from a 2 oz. jar of similar but not identical design to that in which the coffee was submitted.	Complainant informed and manufacturer cautioned.
Meat & Potato Pie.	Contained a moth larva weighing 9 milligrams.	Bakers cautioned.
Cinnamon Tablets.	Quantitive statement of active ingredients on label (which from the analysis appeared to be expressed in percentages) gave no indication of the terms in which the numbers were expressed.	Manufacturers communicated with.
Meringue Powder.	Label bore no list of ingredients.	Enquiry made as to whether sample was a catering pack and if so, manufacturers to make label accordingly.

UNSOUND FOODSTUFFS.

It was found necessary, after examination and tests, to accept the voluntary surrender of the following foodstuffs.

	cwts. lbs.	
Meat at retail shops.....		94.
Cooked Meat and Meat products.....		21.
Canned meats.....		53.
Other canned foods.....	2.	51.
Fruit & Vegetables (fresh).....	1.	30.
Other Foods.....	2.	81.
		<hr/>
		7. 106

A large quantity of foodstuffs was condemned and destroyed on the Council's refuse tip, as a result of breakdown in refrigeration. Condemned foodstuffs are disposed of by burying on the Council's refuse tip.

I C E C R E A M.

During the year there were 3 manufacturers of ice cream and 113 dealers on the register. Regular inspections were carried out at these premises.

Analysis of Samples of Ice Cream.

Ref No.	Methylene Blue Test. Provisional Grade:				Satisfactory of Not.
	1	2	3	4	
1	1	—	—	—	Yes
2	1	—	—	—	Yes
3	1	—	—	—	Yes
4	1	—	—	—	Yes
5	1	—	—	—	Yes
6	1	—	—	—	Yes
7	1	—	—	—	Yes
8	1	—	—	—	Yes
9	1	—	—	—	Yes
10	1	—	—	—	Yes
11	1	—	—	—	Yes
12	1	—	—	—	Yes
13	1	—	—	—	Yes
14	1	—	—	—	Yes
15	1	—	—	—	Yes
16	1	—	—	—	Yes
17	—	—	—	1	No
18	1	—	—	—	Yes
19	1	—	—	—	Yes
20	1	—	—	—	Yes
21	1	—	—	—	Yes
22	1	—	—	—	Yes
23	1	—	—	—	Yes
24	1	—	—	—	Yes
25	1	—	—	—	Yes
26	1	—	—	—	Yes
27	1	—	—	—	Yes
28	1	—	—	—	Yes

Ice Cream Samples taken... 28

Number satisfactory... 27

Number not satisfactory... 1

ICE CREAM(HEAT TREATMENT ETC.)REGULATIONS,1959.

Under the above Regulations, 8 samples of Ice Lollies were taken and submitted to the Public Health Laboratory, Preston, for pH. values. As a result of these investigations, it was found that the pH values were less than 4 and consequently were exempted from the Health Treatment provisions of the above Regulations.

<u>Reference No.</u>	<u>pH Values.</u>
1/IL/68...	Less than 4
2/IL/68...	Less than 4
3/IL/68...	Less than 4
4/IL/68...	Less than 4
5/IL/68...	Less than 4
6/IL/68...	Less than 4
7/IL/68...	Less than 4
8/IL/68...	Less than 4

FOOD HYGIENE(GENERAL)REGULATIONS,1960.

INSPECTION AND SUPERVISION OF FOOD.

Routine inspections have been carried out to all premises coming within the scope of the Food Hygiene Regulations and are as under:-

a) Food Vans...	16
b) Stalls..	4
c) Butchers Shops..	25
d) Grocers Shops...	29
e) Greengrocers/Fish Shops.	14
f) Hotels, Cafe Kitchens and Canteens..	56
g) Fish Friers.	12
h) Bakehouses..	21
i) Clubs, Public Houses, etc...	7
j) Food Warehouses.	-
k) Boarding Houses.	72
l) Food Factories..	11

267

Number of re-visits where work was required:

39

306

FOOD HYGIENE(MARKETS, STALLS & DELIVERY VEHICLES)REGULATIONS,1966.

These Regulations came into force on the 1st January,1967, and apply to market stalls, food businesses carried on from vehicles and to delivery vehicles delivering any kind of foodstuffs. Regular inspections were carried out during the year of stalls, etc. coming within the scope of these Regulations.

METEOROLOGICAL OBSERVATIONS.

The rainfall is taken daily at 9.0 a.m. at the Council's Depot and reports are placed monthly before the Council.

YEAR.	JAN.	FEB.	MARCH.	APR.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
1958	4.52	6.28	1.52	1.52	4.00	4.09	3.19	3.39	3.65	4.15	1.92	3.39	41.62
1959	3.46	0.49	2.56	3.13	1.57	3.91	4.17	0.42	0.39	3.95	4.33	7.51	35.89
1960	5.51	3.00	1.42	2.24	2.81	1.47	5.03	3.06	3.55	2.73	8.48	3.81	43.11
1961	5.52	3.21	0.91	4.81	1.97	2.10	3.98	5.01	3.28	4.95	4.14	3.14	43.02
1962	4.56	1.91	1.73	3.02	2.55	1.40	1.77	5.13	3.59	2.11	2.20	3.19	33.16
1963	0.76	0.47	3.05	2.92	1.93	3.44	2.33	2.89	3.97	3.43	5.60	0.80	31.59
1964	1.29	0.52	2.63	1.92	2.98	1.88	1.38	2.75	1.99	3.08	2.32	5.53	28.27
1965	3.95	0.18	2.14	0.50	3.22	0.34	3.83	3.32	5.91	2.27	3.61	6.49	35.76
1966	2.24	4.62	1.85	2.53	2.84	3.91	1.61	3.82	3.43	4.65	3.60	4.11	39.21
1967	2.46	3.01	1.79	1.31	5.20	1.82	4.47	3.26	4.48	9.82	3.39	2.02	43.03
1968	4.24	2.13	2.58	3.08	2.32	3.29	2.05	2.44	6.68	4.11	1.90	1.69	36.51

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